Program

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	5 th April			
8:15-8:25	Opening			
8:25-8:45	Photo			
Topic: Henk/stu	ident/student of student			
Chair: Murray	Batchelor (Chongqing University, China)			
8:45-9:15	The zoo of two-dimensional $O(n)$ models			
	Henk W. J. Bloete (Leiden University, Netherlands)			
9:15-9:45	From Critical Phenomena to Colloids: Phase separation out of equilibrium			
	Erik Luijten (Northwestern University, USA)			
9:45-10:15	The halon: a quasiparticle featuring critical charge fractionalization			
	Kun Chen (陈锟 Rutgers University, USA)			
10:15-10:35	Tea Break			
Topic: Classical				
Chair: Hai-Jun	Zhou (周海军 Institute of Theoretical Physics, CAS)			
10:35-11:05	Critical percolation in anisotropic systems			
	Robert Ziff (University of Michigan, USA)			
11:05-11:35	Behavior of the specific heat in the Ising model for d>=4 Per-H & Lundow (Umea University, Sweden)			
	Finite- Size Scaling of Correlation Function			
11:35-12:05	Xiao-Song Chen (陈晓松 Institute of Theoretical Physics, Chinese Academy of Sciences)			
	Conformal Bootstrap Approach to Critical Phenomena			
12:05-12:25	Ning Su (苏宁 Institute of Theoretical Physics, Chinese Academy of Sciences)			
12:25-14:00	Lunch Break			
Topic: Soft mat				
-	g (郑波 Zhejiang University)			
	Supercritical phenomenon in complex liquids			
14:00-14:30	Li-Mei Xu (徐莉梅 Peking University)			
	Enhanced sampling and metastable state analyzing in soft matters			
14:30-15:00	Xin Zhou (周昕 University of Chinese Academy of Science)			
15.00 15.20	Entropy Stabilizes Floppy Crystals of Mobile DNA-Coated Colloids			
15:00-15:20	Hao Hu (胡皓 Nanyang Technological University of Singapore)			
15:20-15:40	Phase transitions in a confined polyelectrolyte solution			
	Bing Miao (苗兵 University of Chinese Academy of Sciences)			
15:40-16:00	Tea Break & Posters			
Topic: Monte C	arlo simulations/Network RG methods			
Chair: Jonathar	n Machta (University of Massachusetts Amherst, USA)			
16:00-16:30	The worm process for the Ising model is rapidly mixing			
10.00-10.50	Timothy Garoni (Monash University, Australia)			
16:30-17:00 17:00-17:30 17:30-17:50 17:50-18:10	How Can We Guide the Worm in a Lattice Model			
	Hidermaro Suwa (University of Tokyo, Japan)			
	Neural Network Renormalization Group			
	Lei Wang (王磊 Institute of Physics, Chinese Academy of Sciences)			
	Overlap of two topological phases in the antiferromagnetic Potts model			
	Cheng-Xiang Ding (丁成祥 Anhui University of Technology) Finite-size scaling above the upper critical dimension			
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17:50-18:10	Zong-Zheng Zhou (周宗政 Monash University, Australia)			

6 th April				
Topic: Novel m	· · · · · · · · · · · · · · · · · · ·			
Chair: Xiao-So	ng Chen (陈晓松)			
8:15-8:45	Machine Learning of Quantum and Topological Physics			
	Hui Zhai (翟荟 Institute of Advanced Studies, Tsinghua University)			
8:45-9:15 9:15-9:45 9:45-10:15	Born Machine: Unsupervised Generative Modeling using Matrix Product States			
	Pan Zhang (张潘 Institute of Theoretical Physics, Chinese Academy of Sciences)			
	BLUES function method in physics			
	Joseph Indekeu (Institute for Theoretical Physics, KU Leuven, Belgium)			
	Simulating topological phase transition of lattice models in linear circuit networks Jie Ren (任捷 Tongji University, China)			
	Je Ken (仕提 Tongh University, China)			
10:15-10:35	Tea Break			
-	arlo/Tensor RG methods			
Chair: Peter Yo	ung (University of California, USA)			
10:35-11:05	Population Annealing: A fast algorithm for spin systems with rough free energy landscapes			
	Jonathan Machta (University of Massachusetts Amherst, USA)			
11:05-11:35	Clock Monte Carlo Methods			
	Manon Michel (Ecole Normale Sup á rieure, France)			
11:35-12:05	Random numbers and large-scale Monte-Carlo			
	Lev Shchur(Landau Institute for Theoretical Physics, Russia) Nested Tensor Network Method and its applications			
12:05-12:25	Zhi-Yuan Xie (谢志远 Renmin University of China)			
12:25-14:00	Lunch Break			
Topic: Network	science			
Chair: Ye Wu (吴晔)			
14:00-14:30	Explosive synchronization and Bellerophon states			
14.00-14.30	Shu-Guang Guan (管曙光 East China Normal University)			
14:30-15:00	The Spreading Dynamics of Forget-Remember Mechanism			
11.50 15.00	Wei Li (李炜 Central China Normal University)			
15:00-15:30	Universal state equation of quasi-particle gas for American domestic passenger flights			
15.00-15.50	Chen-Ping Zhu (朱陈平 Nanjing University of Aeronautics and Astronautics)			
15:30-15:50	Scaling in complex network and explosive percolation			
10.00 10.00	Ding-Ding Han (韩定定 East China Normal University)			
15:50-16:10	Phase transitions in cooperative percolations			
	Li Chen (陈理 Shaanxi Normal University)			
16:10-16:30	I I was a second was a second with a second base of a second se			
16:10-16:30	<i>Improved recommendation algorithms based on data feature mining</i> Tian Oiu (邱天 Nanchang Aeronautical University, China)			
	Tian Qiu (邱天 Nanchang Aeronautical University, China)			
16:10-16:30 16:30-16:50				
16:30-16:50	Tian Qiu (邱天 Nanchang Aeronautical University, China)			
16:30-16:50	Tian Qiu (邱天 Nanchang Aeronautical University, China) Tea Break Dete (Leiden University, Netherlands)			
16:30-16:50	Tian Qiu (邱天 Nanchang Aeronautical University, China) Tea Break			
16:30-16:50 Chair: Henk Blo	Tian Qiu (邱天 Nanchang Aeronautical University, China) Tea Break Dete (Leiden University, Netherlands) Critical and Griffiths-McCoy singularities in quantum Ising spin-glasses on d-dimensional hypercubic			
16:30-16:50 Chair: Henk Blo	Tian Qiu (邱天 Nanchang Aeronautical University, China) Tea Break Dete (Leiden University, Netherlands) Critical and Griffiths-McCoy singularities in quantum Ising spin-glasses on d-dimensional hypercubic lattices: A series expansion study			
16:30-16:50 Chair: Henk Blo	Tian Qiu (邱天 Nanchang Aeronautical University, China) Tea Break Dete (Leiden University, Netherlands) Critical and Griffiths-McCoy singularities in quantum Ising spin-glasses on d-dimensional hypercubic lattices: A series expansion study Peter Young (University of California, USA)			

7 th April				
Topic: Disordere	ed systems			
Chair: Li-Mei X	u (徐莉梅 Peking University)			
8:15-8:45	The Ising spin glass: new methods for old models and old method	ds for new models		
	Martin Weigel (Coventry University, UK)			
8:45-9:15	Quantum vs Classical Optimization			
	Helmut G. Katzgraber (Texas A&M University, USA)			
9:15-9:45	Percolation, Frustration, and Computational Complexity Hai-Jun Zhou (周海军 Institute of Theoretical Physics, Chinese Academy of Sciences)			
9:45-10:05	The saddle point solution of the Landau-Ginzburg-Wilson for McCoy-Wu Ising model with disorder Xin-Tian Wu (吴新天 Beijing Normal University)			
10:05-10:25	Tea Break			
Topic: Quantum	systems			
	Guan (管习文 Wuhan Institute of Physics and Mathematics of Chir	nese Academy of Sciences)		
	Decoding quantum criticalities from fermionic/parafermionic top	•		
10:25-10:55	Guang-Ming Zhang (张广铭 Tsinghua University)			
10.55.11.05	Quantum Monte Carlo study of Disordered Spin Systems			
10:55-11:25	Dao-Xin Yao (姚道新 Sun Yat-sen University)			
11:25-11:55	Quantum phase transition in the spin-boson model			
11.25-11.55	Qing-Hu Chen (陈庆虎 Zhejiang University)			
11:55-12:15	Universal Scaling and Critical Exponents of the Anisotropic Quantum Rabi Model Mao-Xin Liu (刘卯鑫 Beijing Computational Science Research Center)			
12:15-14:00	Lunch Break			
Topic: Non-equi	librium systems			
	un Tu (涂展春 Beijing Normal University)			
14.00 14.20	Landau-Lifshitz-Gilbert equation and phase transitions			
14:00-14:30	Bo Zheng (郑波 Zhejiang University, China)			
14:30-15:00	Physics of Kuramoto oscillators			
14.30-13.00	Yue-Heng Lan (兰岳恒 Beijing University of Posts and Telecommunications)			
15:00-15:30	Synchronic patterns in coupled systems			
15.00-15.50	Xin-Gang Wang (王新刚 Shaanxi Normal University, China)			
15:30-15:50	Application of a variant lattice Boltzmann method to nonequilibr	rium reacting flows		
15.50-15.50	Chuan-Dong Lin (林传栋 Tsinghua University, China)			
15:50-16:10	Tea Break & Posters			
Topic: Quantum	Systems			
Chair: Wen-An	Guo (郭文安 Beijing Normal University)			
16:10-16:30	Quantum Spin Liquid with Even Ising Gauge Field Structure on Kagom Lattice Yan-Cheng Wang (王艳成 China University of Mining and Technology)			
	Dynamic Localization in Spin Clusters			
16:30-16:50	Kai Ji (吉凯 Shanghai Normal University, China)			
16:50-17:20	Probing spin charge separation with quantum criticality			
	Xi-Wen Guan (管习文 Wuhan Institute of Physics and Mathematics of Chinese Academy of Sciences)			
17:20-17:50	Critical behavior in a model of free parafermions			
	Murray Batchelor (Chongqing University, China)			
17:50-18:00	Closing	Youjin Deng (邓友金)		